

TITLE: Natural peony extract and its extraction process

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ABSTRACT

The process comprises pyrolyzing the branch, stem, and/or root of *Paeonia suffruticosa* Andr. at 100-98 degree for 6-8 h while collecting pyrolyzate by cooling, filtering to remove precipitate, distilling, extracting for removal of toxic component to obtain peony intermediate; soaking the leaf of *Paeonia suffruticosa* with the peony intermediate at 100 degree for 30-60 min, distilling, and cooling to obtain product ; soaking the root and flower of *Paeonia suffruticosa* with the product at 100 degree for 1 h, distilling, and decolorizing and deodorizing with activated C to obtain purified peony ext. The peony ext. and/or in-process products are a natural fungicide and used as mildewproof preservatives in cosmetic and food. The waste liquids from each processes may be used as insecticide. The waste residues from each processes may be used for manufacture of activated C by carbonization.